Print Form

ECO-i™ Submittal Data

SANYO
Building Life.

CHDX14053
Heat Pump: 12 tons VRF Outdoor Unit

Job Name: _____
Location: _____
Engineer: _____
Submitted to: _____
Submitted by: _____
Reference: _____

Approval: _____
Date: _____
Construction: _____
Unit #: _____
Drawing #: _____

Compressor Warranty: 6 Years
Parts Warranty: 1 Year
Coil Coated to Protect Against Corrosion
Salt Protection also avilable

ECO i DC Inverter W-2WAY MULTI

Capacities

Cooling: Btu/h	153,600
Power Input: KW	13.3
Heating: Btu/h	170,600
Power Input: KW	13.2

Cooling Mode Nominal Conditions

Indoor: °F DB/°F WB	80/67
Outdoor: °F DB	95
Pipe Length (feet):	25
Level Difference (feet):	0

Heating Mode Nominal Conditions

Indoor: °F DB	70
Outdoor: °F DB/ °F WB	47/43
Pipe Length (feet):	25
Level Difference (feet):	0

Operating Range

Cooling: °F DB:	14 to 109
Heating: °F DB:	-4 to 59

Compressor

Quantity/Type:	1 Inverter driven rotary & 2 fixed speed scroll
Capacity Control Range:	10-100%

Fan

Quantity/Type:	1 Propeller Fan
Fan Motor Output (KW):	0.7

Power Supply

V/PH/Hz.	208-230 / 3 / 60
Minimum circuit Amps (MCA): Amps	57
Max. Overcurrent Protection (MOCP):	70

Weight (lbs): 760

Refrigerant: 410A

Coil

Coil Face Area (sq. ft.):	22.5
Number of Rows:	4

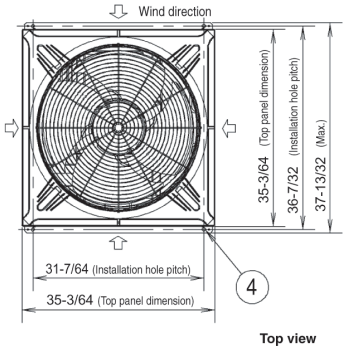
Protection Devices

High Pressure Switch:	Yes
Overcurrent (CT Method):	Yes
Crankcase Heaters (W):	25 + 32 x 2

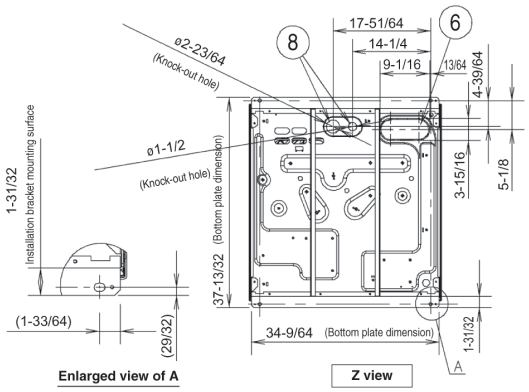
External Finish: Electrostatic Powder Coating

Dimensions

			10hp	16hp
①	Refrigerant (gas tube in. (mm))	brazed connection	ø7/8" (ø22.22)	ø1-1/8" (ø28.58)
②	Refrigerant (liquid tube in. (mm))	flared connection	ø3/8" (ø9.52)	ø1/2" (ø12.70)
③	Refrigerant (balance tube in. (mm))	flared connection	ø1/4" (ø6.35)	ø1/4" (ø6.35)
④	Installation holes (4–19/32" × 25/32" elongated holes), anchor bolts M12 or 15/32" or larger			
⑤	Refrigerant (front: knock out hole and slit)			
⑥	Tubing por (bottom: hole with cover)			
⑦	Electrical wiring port (front: ø1-47/64", ø15/16", ø1-3/8" knock-out holes – for conduit connection)			
⑧	Electrical wiring port (bottom: ø2 - 23/64", ø1-1/2" knock-out holes – for conduit connection)			
⑨	Pressure outlet port (for high pressure: ø5/16" (ø7.94) Schrader-type connection)			
⑩	Pressure outlet port (for low pressure: ø5/16" (ø7.94) Schrader-type connection)			
⑪	Knock-out hole for connecting pressure gauge (optional)			

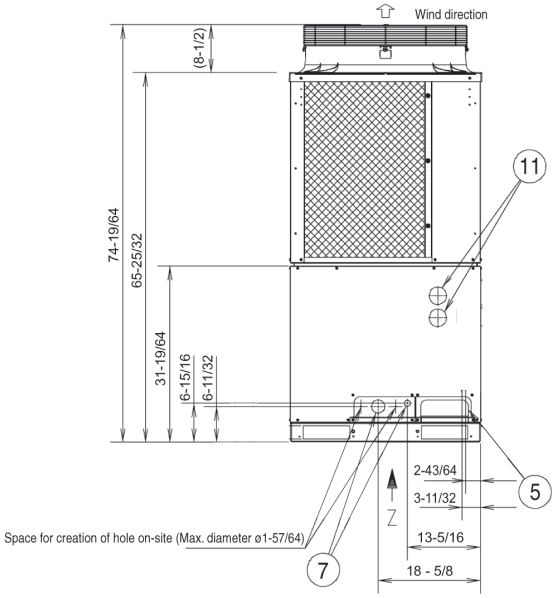


Top view

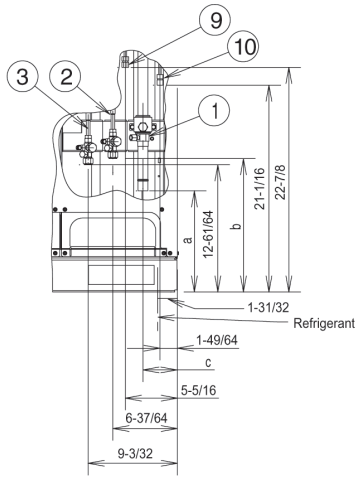


Enlarged view of A

Z view



Front view



※Measurements for 10–16hp assume that the supplied connection tubing is used.

Table of Measurements for Refrigerant Tube Connection

Equivalent horsepower	Size(In.) a	b	c
10※	6-37/64	13-37/64	3-15/16
16※	7-11/64	13-5/32	3-55/64

※Measurements for 10,16hp assume that the supplied connection tubing is used.

SANYO

Sanyo Commercial Solutions
A Division of SANYO North America
1300 Michael Drive, Suite A
Wood Dale, IL 60191 USA
www.sanyohvac.com